

IN THE CLAIMS:

1. (Currently Amended) A solid electrolyte cell comprising:
a positive electrode having a positive electrode current collector and a positive electrode active material;
a negative electrode having a negative electrode current collector and a negative electrode active material; and
a solid electrolyte ~~comprises of~~ comprising at least two layers, namely a first solid electrolyte layer and a second solid electrolyte layer wherein
a diene compound ~~is contained in at least one of the positive electrode, negative electrode and the solid electrolyte, and~~
~~said diene compound contained in the first solid electrolyte layer is not less than 75%~~
of the total content thereof.

2. (Original) The solid electrolyte cell according to claim 1 wherein said diene compound is 1, 4-cyclohexadiene.

3. CANCELLED

4. CANCELLED

5. CANCELLED

6. (Currently Amended) The solid electrolyte cell according to claim 1 wherein said solid electrolyte contains a non-aqueous solvent ~~and is in a gelated state~~.

7. (Original) The solid electrolyte cell according to claim 1 wherein said matrix polymer is selected from the group consisting of polyethylene oxide, polypropylene oxide, polytetrafluoroethylene, polyvinylidene fluoride, polyvinylidene chloride, polymethacrylic acid, polyacrylic amide, polycarbonate, polysulfone and polyethersulfone.

8. (Currently Amended) The solid electrolyte cell according to claim 1 wherein said electrolyte salt is selected from the group consisting of LiPF_6 , LiClO_4 ,

LiCF_3SO_3 , LiCF_3SO_3 , LiAsF_6 , LiBF_4 , $\text{LiN}(\text{CF}_3\text{SO}_2)_2$, $\text{C}_4\text{F}_9\text{SO}_3\text{Li}$, $\text{LiC}(\text{CF}_3\text{SO}_2)_3$, LiF , and LiBr .

9. (Once Amended) The solid electrolyte cell according to claim 6 wherein said non-aqueous solvent is selected from the group consisting of ethylene carbonate, propylene carbonate, gamma-butyrolactone, acetonitrile, diethylether, diethylene carbonate, dimethyl carbonate, 1, 2- dimethoxyethane, dimethyl sulfoxide, 1, 3-dioxolan, methyl sulfonate, 2-methyltetrahydrofuran, tetrahydrofuran, sulforan, 2, 4-difluoroanisole and vinylene carbonate.

10. (Original) The solid electrolyte cell according to claim 1 wherein said positive and negative electrodes are layered and coiled together with interposition of said electrolyte.

11. (Original) The solid electrolyte cell according to claim 1 wherein said positive and negative electrodes are layered and stacked together with interposition of said electrolyte.

12. (Original) The solid electrolyte cell according to claim 1 wherein a separator is arranged between said positive and negative electrodes.

13. CANCELLED

14. (New) A solid electrolyte cell according to claim 1, wherein said solid electrolyte comprises an electrolyte salt dispersed in a matrix polymer and is arranged between said positive electrode and the negative electrode.